

Abstract

A drawer interlock mechanism comprises a fixation base, an axial cam, two
braking slides and a guiding switch. The axial cam is put into a holding groove of
the fixation base, so a big column and a small column are respectively placed into
5 the position-limiting groove on top surface of the holding groove. The two braking
slides are put in a slide groove of the fixation base, so when the axial cam rotates
90 degrees, its moving and stopping blocks move the two braking slides outward.
The guiding switch is locked with the slide at the front. Its side has a guiding
groove and a curved groove, which correspondingly match the big column and the
10 small column, so they move according to the path lead by the curved slide groove
and the guiding slide groove and the axial cam can rotate 90 degrees.